

# Comparisons of Job Characteristics

**Focus Occupation:** [Cardiovascular Technologists and Technicians \(29-2031\)](#)

**Associated Occupation:** [Respiratory Therapy Technicians \(29-2054\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

**Focus Occupation:** Cardiovascular Technologists and Technicians (29-2031)

**Associated Occupation:** Respiratory Therapy Technicians (29-2054)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Medicine and Dentistry	3.7	15.9	17.4	0 Current knowledge level may be sufficient
Customer and Personal Service	11.3	15.7	18.0	> Current knowledge level is likely sufficient
Psychology	6.4	12.8	10.5	< Expanded education and/or training may be required
Biology	3.7	10.3	9.9	0 Current knowledge level may be sufficient
Chemistry	4.8	10.2	7.6	<< Extensive education and/or training may be required
Therapy and Counseling	3.8	8.8	4.0	<< Extensive education and/or training may be required
Physics	4.3	8.3	5.5	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 91

**Focus Occupation:** Cardiovascular Technologists and Technicians (29-2031)

**Associated Occupation:** Respiratory Therapy Technicians (29-2054)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Service Orientation	7.9	10.8	10.5	0 Current skill level may be sufficient
Operation Monitoring	6.6	10.2	10.1	0 Current skill level may be sufficient
Science	4.5	8.8	10.6	> Skill level is likely sufficient
Equipment Maintenance	3.5	8.0	5.2	<< Extensive development of skills in this area may be required

Equipment Selection	3.3	6.8	4.4	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 96			
Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Respiratory Therapy Technicians (29-2054)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	13.3	14.8	>	Current ability level is likely sufficient
Oral Comprehension	12.5	12.2	13.7	>	Current ability level is likely sufficient
Oral Expression	12.4	12.0	13.6	>	Current ability level is likely sufficient
Inductive Reasoning	10.2	11.4	10.7	0	Current ability level may be sufficient
Deductive Reasoning	10.6	11.2	10.7	0	Current ability level may be sufficient
Written Comprehension	11.0	11.2	11.1	0	Current ability level may be sufficient
Near Vision	11.1	10.8	11.4	0	Current ability level may be sufficient
Speech Clarity	10.2	10.6	10.1	0	Current ability level may be sufficient
Perceptual Speed	7.4	9.2	9.7	0	Current ability level may be sufficient
Time Sharing	6.6	8.5	8.0	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	8.4	6.7	<	Some improvement in abilities may be required
Speed of Closure	5.9	8.2	7.3	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Respiratory Therapy Technicians (29-2054)		
Work Activities	Exclusivity of Activity	
Administer medications or treatments	46	
Analyze medical data	57	
Collect clinical data	56	
Communicate technical information	4	
Follow infectious materials procedures	52	
Follow patient observation procedures	71	
Inventory medical supplies or instruments	67	
Make presentations on health or medical issues	50	
Observe patient condition	48	
Prepare patient reports	66	

Prepare patients for tests, therapy, or treatments	70
Take vital signs	56
Understand technical operating, service or repair manuals	6
Use clinical sterilizing technique	71
Use emergency medical procedures	64
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use quality assurance techniques	61
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 75

**Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)**  
**Associated Occupation: Respiratory Therapy Technicians (29-2054)**

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Clinical and diagnostic analyzers and accessories and supplies	18
Computers	1
Diagnostic assessment and exam products for general use	21
Electrocardiography EKG units and related products	20
Industry specific software	1
Medical ultrasound and doppler and echo imaging products	19
Oxygen therapy delivery systems and devices	13
Pulmonary function testing and treatment products	24
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.